

Specification AD/CV1142/Issue 2. Dated 1.11.46. To be read in conjunction with K1001, ignoring clauses:- 5.2, 5.8.	<u>SECURITY</u>	
	<u>Specn.</u> Restricted	<u>Valve</u> Unclassified

<u>TYPE OF VALVE</u> :- Mercury filled grid controlled triode. <u>CATHODE</u> :- Directly heated. <u>ENVELOPE</u> :- Glass: clear. <u>PROTOTYPE</u> :- MR75: i.e. ESU75 with control grid added.	<u>MARKING</u> See K1001/4.
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<u>RATING</u>		Note	<u>BASE</u> Special Continental 4-pin (see Fig.1.)	
Filament voltage (V)	2		C	Pin
Filament current (A)	10		1	Filament
Max. voltage drop, anode to cathode (V)	15	A	2	Grid
Grid control ratio	20-60	B	3	Grid
Max. neg. Va (V)	3,000		4	Filament
			TC	Anode
			<u>TOP CAP</u> See K1001/AI/D5.4.	
			<u>DIMENSIONS</u> See K1001/AI/D1.	

<u>NOTES</u>			Dimension	Min.	Max.
A.	With Iag = 1.0 A.		A mm	-	190
B.	At Vg = -21 V.		B mm	-	78
C.	Preheating time 10 mins.		<u>PACKING</u> See K1001/7.		

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions				Test	Limits		No. Tested
	Vf (V)	Va (V)	Vg (V)	Ia (A)		Min.	Max.	
a	2.0				If (A)	-	10	100%
b	2.0	Vary	= Va	1.0	Voltage drop (V)	-	15	100%
c	2.0	Vary	- 21		Grid control ratio (Va/Vg)	20	60	100%
	Preheating time 10 mins. Increase Va until striking occurs.							
d	2.0	-3,000	0		Sparking test.	No sparking or deterioration must occur.		100%

Fig. 1. Base
(View from underside).

